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L1: Entry 1 of 1

File: USPT

Dec 14, 1999

US-PAT-NO: 6001135

DOCUMENT-IDENTIFIER: US 6001135 A

TITLE: Compositions and processes for dyeing keratin fibers with cationic direct dyes, oxidation bases, and oxidizing agents

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rondeau; Christine	Sartrouville	N/A	N/A	FRX
Cotteret; Jean	Verneuil Sur Seine	N/A	N/A	FRX
De La Mettrie; Roland	Le Vesinet	N/A	N/A	FRX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
L'Oreal	Paris	N/A	N/A	FRX	03

APPL-NO: 8/ 994444

DATE FILED: December 19, 1997

PARENT-CASE:

The technology involved in this application is related to that disclosed in the following co-pending U.S. applications filed on even date herewith: (1) Title: COMPOSITION FOR THE OXIDATION DYEING OF KERATIN FIBERS AND DYEING PROCESS USING THIS COMPOSITION Inventors: Christine Rondeau, Jean Cotteret, Roland de la Mettrie Ser. No. 08/994,127, pending (2) Title: COMPOSITION FOR THE OXIDATION DYEING OF KERATIN FIBRES AND DYEING PROCESS USING THIS COMPOSITION Inventors: Christine Rondeau, Jean Cotteret, Roland de la Mettrie Ser. No. 08/994,130, pending (3) Title: COMPOSITION FOR THE OXIDATION DYEING OF KERATIN FIBERS AND DYEING PROCESS USING THIS COMPOSITION Inventors: Christine Rondeau, Jean Cotteret, Roland de la Mettrie Ser. No. 08/994,446, now U.S. Pat. No. 5,879,412. The specifications of these related applications are hereby specifically incorporated by reference.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
FR	96 15895	December 23, 1996

INT-CL: [6] A61K 7/13

US-CL-ISSUED: 8/407; 8/408, 8/409, 8/410, 8/426

US-CL-CURRENT: 8/407; 8/408, 8/409, 8/410, 8/426

FIELD-OF-SEARCH: 8/405, 8/406, 8/407, 8/408, 8/409, 8/410, 8/423, 8/426

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3524842</u>	August 1970	Grossman et al.	8/426
<input type="checkbox"/>	<u>3578386</u>	May 1971	Kalopissis et al.	8/426
<input type="checkbox"/>	<u>3869454</u>	March 1975	Lang et al.	534/778
<input type="checkbox"/>	<u>3955918</u>	May 1976	Lang	8/426
<input type="checkbox"/>	<u>3985499</u>	October 1976	Lang et al.	8/426
<input type="checkbox"/>	<u>4025301</u>	May 1977	Lang	8/405
<input type="checkbox"/>	<u>4425132</u>	January 1984	Grollier et al.	8/405
<input type="checkbox"/>	<u>5637115</u>	June 1997	Balzer et al.	8/407
<input type="checkbox"/>	<u>5733343</u>	March 1998	Mockli et al.	8/426

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 739 622	October 1996	EPX	

ART-UNIT: 171

PRIMARY-EXAMINER: Liott; Caroline D.

ATTY-AGENT-FIRM: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

ABSTRACT:

A ready-to-use composition for the oxidation dyeing of keratin fibers, in particular human keratin fibers such as the hair, this ready-to-use composition comprising at least one oxidation base in combination with at least one selected cationic direct dye and at least one oxidizing agent, as well as to the dyeing process using this ready-to-use composition.

41 Claims, 0 Drawing figures

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
RN 81859-24-7 REGISTRY
CN Cellulose, 2-hydroxyethyl 2-[2-hydroxy-3-(trimethylammonio)propoxy]ethyl
2-hydroxy-3-(trimethylammonio)propyl ether, chloride (9CI) (CA INDEX
NAME)

OTHER NAMES:

CN Catinal HC 100
CN Catinal HC 35
CN Catinal LC 100
CN Celquat SC 230M
CN JR 1
CN JR 125
CN JR 30M
CN JR 400
CN Leogard G
CN Leogard GP
CN Leogard LP
CN Leogard P
CN LR 300M
CN LR 400
CN Polymer JR 400
CN Polyquaternium 10
CN Quaternium 19
CN Ritaquat 3000
CN Ritaquat 400KG
CN Ucare JR 125
CN Ucare JR 400
CN UCARE Polymer JR
CN UCARE Polymer JR 125
CN UCARE Polymer JR 30
CN UCARE Polymer JR 30M
CN UCARE Polymer JR 400
CN UCARE Polymer JR 40M
CN UCARE Polymer LR
CN UCARE Polymer LR 30M
CN UCARE Polymer LR 400
CN UCARE Polymer SR 10
DR 163442-38-4, 53568-66-4, 125623-01-0, 56274-58-9, 55353-19-0, 55466-13-2,
55819-09-5, 138067-60-4, 86297-97-4, 82643-41-2, 88507-33-9, 200013-87-2,
214358-12-0
MF C8 H20 N O3 . x C6 H16 N O2 . x C2 H6 O2 . x Cl . x Unspecified
CI COM
PCT Manual registration
LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CEN, CHEMCATS, CHEMLIST,
CIN, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, PROMT, RTECS*, TOXLINE,
TOXLIT, USPATFULL
(*File contains numerically searchable property data)

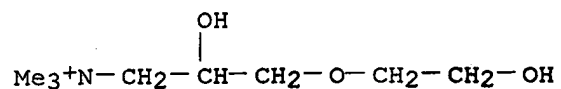
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CM 2

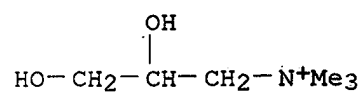
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CM 3

CRN 44814-66-6
CMF C6 H16 N O2



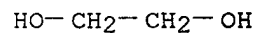
CM 4

CRN 9004-34-6
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 5

CRN 107-21-1
CMF C2 H6 O2

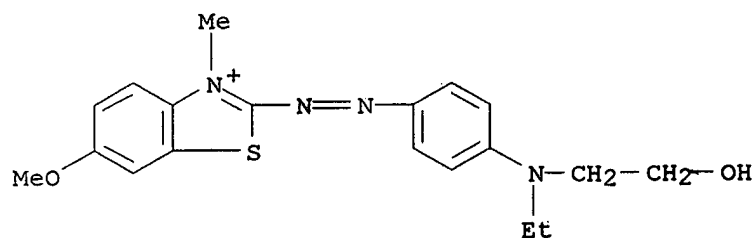


586 REFERENCES IN FILE CA (1967 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
587 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 12270-13-2 REGISTRY
 CN Benzothiazolium,
 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-
 methyl-, methyl sulfate (salt) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN C.I. Basic Blue 41 (8CI)
 OTHER NAMES:
 CN 2-[[4-[Ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-
 methylbenzothiazolium methyl sulfate
 CN Aizen Cathilon Blue GRLH
 CN Anilan Blue GRL
 CN Astrazon Blue FGGL
 CN Basacryl Blue X 3GL
 CN Basic Blue 41
 CN C.I. 11105
 CN Crypur Blue GRL
 CN Deorlene Fast Blue RL
 CN Diacryl Blue GRL-N
 CN Kayacryl Blue GRL
 CN Maxilon Blue GRL
 CN Melacril Blue GRL
 CN Synacril Blue G
 DR 15000-69-8, 61356-34-1
 MF C19 H23 N4 O2 S . C H3 O4 S
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, CA, CAPLUS, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, TOXLINE, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

 CM 1

 CRN 38901-82-5
 CMF C19 H23 N4 O2 S



CM 2

 CRN 21228-90-0
 CMF C H3 O4 S

Me-O-SO₃⁻

96 REFERENCES IN FILE CA (1967 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
96 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> e basic brown 16/cn

E1	1	BASIC BROWN/CN
E2	1	BASIC BROWN 1/CN
E3	1	--> BASIC BROWN 16/CN
E4	1	BASIC BROWN 17/CN
E5	1	BASIC BROWN 30/CN
E6	1	BASIC BROWN 4/CN
E7	1	BASIC BROWN 4K/CN
E8	1	BASIC BROWN G/CN
E9	1	BASIC BROWN K/CN
E10	1	BASIC BROWN, POLYMER WITH 4-AMINO BENZENESULFONIC ACID, FORMA

LDEHYDE, 2-HYDROXY-5-SULFOBENZOIC ACID AND
6-PHENYL-1,3,5-TR

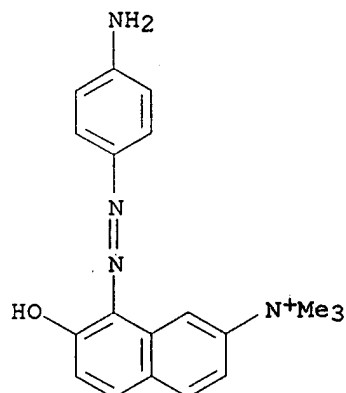
		IAZINE-2,4-DIAMINE/CN
E11	1	BASIC CALCIUM CHROMATE DIHYDRATE/CN
E12	1	BASIC CALCIUM HYPOCHLORITE/CN

=> s e3

L2 1 "BASIC BROWN 16"/CN

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
RN 26381-41-9 REGISTRY
CN 2-Naphthalenaminium, 8-[(4-aminophenyl)azo]-7-hydroxy-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ammonium, [8-[(p-aminophenyl)azo]-7-hydroxy-2-naphthyl]trimethyl-, chloride (8CI)
OTHER NAMES:
CN Arianor Mahogany
CN Arianor Mahogany 306002
CN Basic Brown 16
CN C.I. 12250
CN C.I. Basic Brown 16
MF C19 H21 N4 O . Cl
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, IPA, SPECINFO, TOXLINE, TOXLIT, USPATFULL
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
CRN (38866-11-4)



● Cl⁻

45 REFERENCES IN FILE CA (1967 TO DATE)
45 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s e4

L3 1 "BASIC BROWN 17"/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
RN 176742-32-8 REGISTRY
CN C.I. Basic Brown 17 (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Arianor Sienna Brown
CN Arianor Sienna Brown 306001
CN Basic Brown 17
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
25 REFERENCES IN FILE CA (1967 TO DATE)
25 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s basic red 22/cn

L4 1 BASIC RED 22/CN

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

RN 12221-52-2 REGISTRY
CN C.I. Basic Red 22 (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN C.I. Basic Red 31 (8CI)
OTHER NAMES:
CN Anilan Red BLN
CN Aniline Red BLN
CN Astrazon Red F 3BL
CN Basic Red 22
CN Basic Red 31
CN C.I. 11055
CN Calcozine Acrylic Red B
CN Crypur Red BL
CN Deorlene Fast Red CBL
CN Maxilon Red B-LN
CN Maxilon Red BL
CN Melacril Red BL
CN Sandocryl Red B-BL
CN Sandocryl Red B-BLE
CN Synacril Red 3B
DEF This substance is identified in the COLOUR INDEX by Colour Index
Constitution Number, C.I. 11055.
DR 58238-73-6, 50813-53-1, 65900-41-6, 116844-92-9
MF Unspecified
CI COM, MAN
LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMLIST, CSNB, MEDLINE,
NIOSHTIC, RTECS*, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
104 REFERENCES IN FILE CA (1967 TO DATE)
104 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> e basic red 76/cn

E1	1	BASIC RED 69/CN
E2	1	BASIC RED 70/CN
E3	1 -->	BASIC RED 76/CN
E4	1	BASIC RED 9/CN
E5	1	BASIC RED 92/CN
E6	1	BASIC RED 95/CN
E7	1	BASIC RED CARBONATE/CN
E8	1	BASIC RHODO CHROMIUM BROMIDE/CN
E9	1	BASIC RHODO CHROMIUM CHLORIDE/CN
E10	1	BASIC ROSE 2S/CN
E11	1	BASIC ROSE B/CN
E12	1	BASIC ROSE EXTRACT/CN

=> s e3

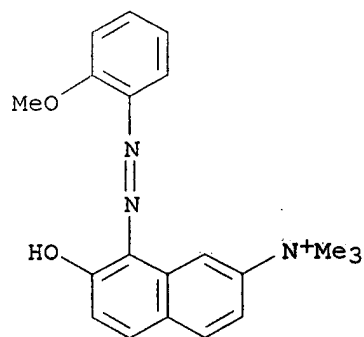
L5 1 "BASIC RED 76"/CN

=> d

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 68391-30-0 REGISTRY
 CN 2-Naphthalenaminium, 7-hydroxy-8-[(2-methoxyphenyl)azo]-N,N,N-trimethyl-,
 chloride (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Arianor Madder Red
 CN Basic Red 76
 CN C.I. 12245
 CN C.I. Basic Red 76
 MF C20 H22 N3 O2 . Cl
 LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, IPA, SPECINFO, TOXLINE,
 TOXLIT, USPATFULL
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



● Cl⁻

39 REFERENCES IN FILE CA (1967 TO DATE)
 39 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> e basic yellos 57/cn

E1	1	BASIC VIOLET K NITRATE/CN
E2	1	BASIC VIOLET K RHENATE/CN
E3	0 -->	BASIC YELLOS 57/CN
E4	1	BASIC YELLOW/CN
E5	1	BASIC YELLOW 1/CN
E6	1	BASIC YELLOW 106/CN
E7	1	BASIC YELLOW 11/CN
E8	1	BASIC YELLOW 13/CN
E9	1	BASIC YELLOW 19/CN
E10	1	BASIC YELLOW 2/CN
E11	1	BASIC YELLOW 20/CN
E12	1	BASIC YELLOW 21/CN

=> e basic yellow 57/cn

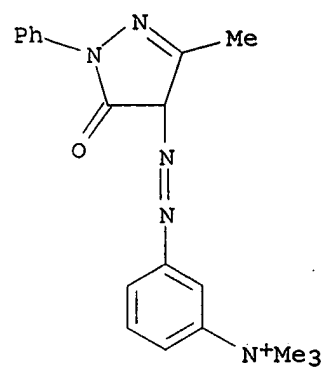
E1	1	BASIC YELLOW 52115/CN
E2	1	BASIC YELLOW 54/CN
E3	1 -->	BASIC YELLOW 57/CN
E4	1	BASIC YELLOW 6/CN
E5	1	BASIC YELLOW 60/CN
E6	1	BASIC YELLOW 63/CN
E7	1	BASIC YELLOW 67/CN
E8	1	BASIC YELLOW 73/CN
E9	1	BASIC YELLOW 82/CN
E10	1	BASIC YELLOW 85/CN
E11	1	BASIC YELLOW 87/CN
E12	1	BASIC YELLOW 90/CN

=> s e3

L6 1 "BASIC YELLOW 57"/CN

=> d

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
RN 68391-31-1 REGISTRY
CN Benzenaminium, 3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Arianor Straw Yellow
CN Arianor Straw Yellow 306005
CN Basic Yellow 57
CN C.I. 12719
CN C.I. Basic Yellow 57
MF C19 H22 N5 O . Cl
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, IPA, TOXLINE, TOXLIT, USPATFULL
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



● Cl⁻

28 REFERENCES IN FILE CA (1967 TO DATE)
28 REFERENCES IN FILE CAPLUS (1967 TO DATE)